

WELL NAME: Grumbien Tr "A" #2
COMPANY: Pickrell Drilling Company
LOCATION: 5-17S-20W
Rush County, Kansas
DATE: 4/20/98

TRILOBITE TESTING L.L.C.

OPERATOR : Pickerell Drilling Co. DATE 4-18-98
 WELL NAME: Grumbien Tr "A" #2 KB 2136.00 ft TICKET NO: 10448 DST #1
 LOCATION : 5-17S-20W Rush Co GR 2131.00 ft FORMATION: Pawnee Sand
 INTERVAL : 3946.00 To 3972.00 ft TD 3942.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13754	13754	13248			PF Fr. 0140 to 0210 hr
SI 60 Range(Psi)	4000.0	4000.0	4250.0	0.0	0.0	IS Fr. 0210 to 0310 hr
SF 30 Clock(hrs)	12	12	12			SF Fr. 0310 to 0340 hr
FS 60 Depth(ft)	3949.0	3949.0	3969.0	0.0	0.0	FS Fr. 0340 to 0440 hr

	Field	1	2	3	4	
A. Init Hydro	1976.0	1978.0	0.0	0.0	0.0	T STARTED 0020 hr
B. First Flow	29.0	49.0	0.0	0.0	0.0	T ON BOTM 0135 hr
C. Final Flow	29.0	49.0	0.0	0.0	0.0	T OPEN 0140 hr
D. In Shut-in	49.0	59.0	0.0	0.0	0.0	T PULLED 0440 hr
E. Init Flow	29.0	49.0	0.0	0.0	0.0	T OUT 0615 hr
F. Final Flow	29.0	49.0	0.0	0.0	0.0	
G. Fl Shut-in	29.0	48.0	0.0	0.0	0.0	
H. Final Hydro	1876.0	1924.0	0.0	0.0	0.0	

TOOL DATA-----

Tool Wt.	1000.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	59000.00 lbs
Unseated Str Wt	59000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	180.00 ft
D.P. Length	3755.00 ft

RECOVERY
 Total Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
 0.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

ALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

LOW DESCRIPTION
 Initial Flow:
 Weak steady surface blow
 Final Flow:
 No blow

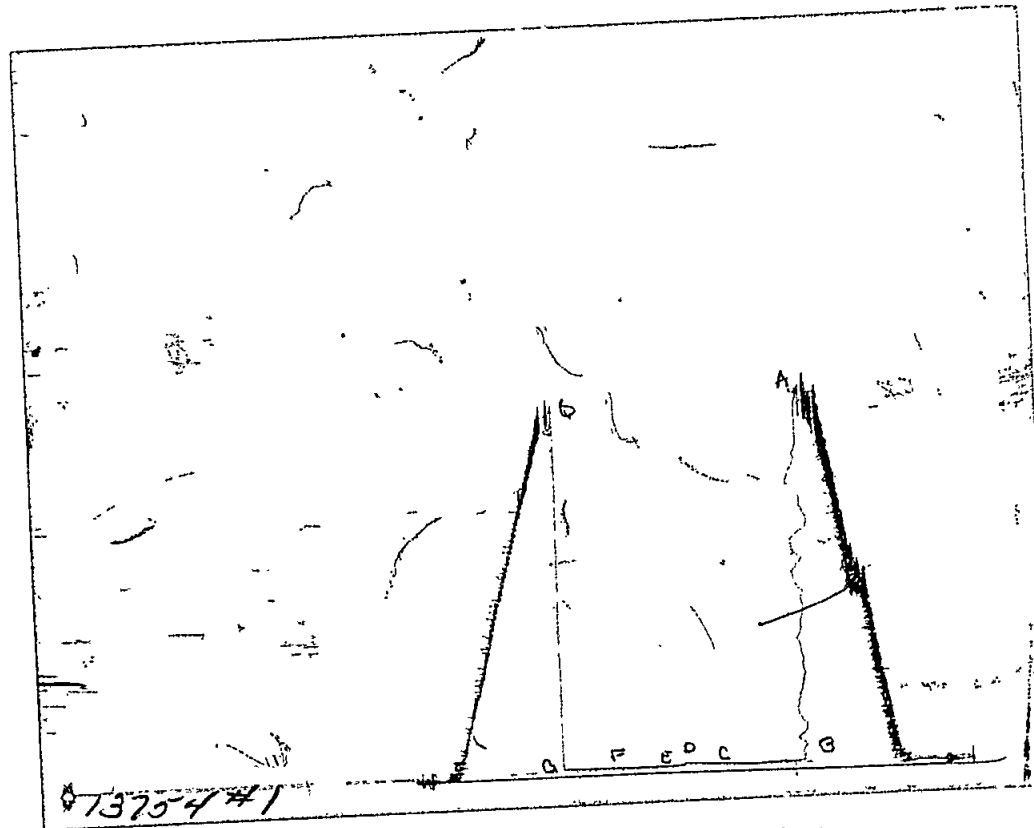
MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	46.00 S/L
W.L.	12.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	108.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Bill Klaver
Contr.	Pickerell
Rig #	10
Unit #	
Pump T.	

Test Successful: Y

SAMPLES:
 SENT TO:

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co. DATE 4-18-98
 WELL NAME: Grumbien Tr "A" #2 KB 2136.00 ft TICKET NO: 10449 DST #2
 LOCATION : 5-17S-20W Rush KS GR 2131.00 ft FORMATION: Cherokee Sand
 INTERVAL : 3948.00 To 3985.00 ft TD 3985.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13754	13754	13248		PF Fr. 1503 to 1533 hr
SI 60	Range(Psi)	4000.0	4000.0	4250.0	0.0	0.0 IS Fr. 1533 to 1633 hr
SF 30	Clock(hrs)	12	12	12		SF Fr. 1633 to 1703 hr
FS 60	Depth(ft)	3952.0	3952.0	3982.0	0.0	0.0 FS Fr. 1703 to 1803 hr

	Field	1	2	3	4	
A. Init Hydro	1936.0	1935.0	0.0	0.0	0.0	T STARTED 1330 hr
B. First Flow	19.0	13.0	0.0	0.0	0.0	T ON BOTM 1500 hr
B1. Final Flow	19.0	27.0	0.0	0.0	0.0	T OPEN 1503 hr
C. In Shut-in	49.0	53.0	0.0	0.0	0.0	T PULLED 1803 hr
D. Init Flow	19.0	14.0	0.0	0.0	0.0	T OUT 1950 hr
E. Final Flow	19.0	21.0	0.0	0.0	0.0	
F. Fl Shut-in	29.0	29.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1836.0	1850.0	0.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 59000.00 lbs
						Unseated Str Wt 59000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 180.00 ft
						D.P. Length 3735.00 ft

RECOVERY
 Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP
 5.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

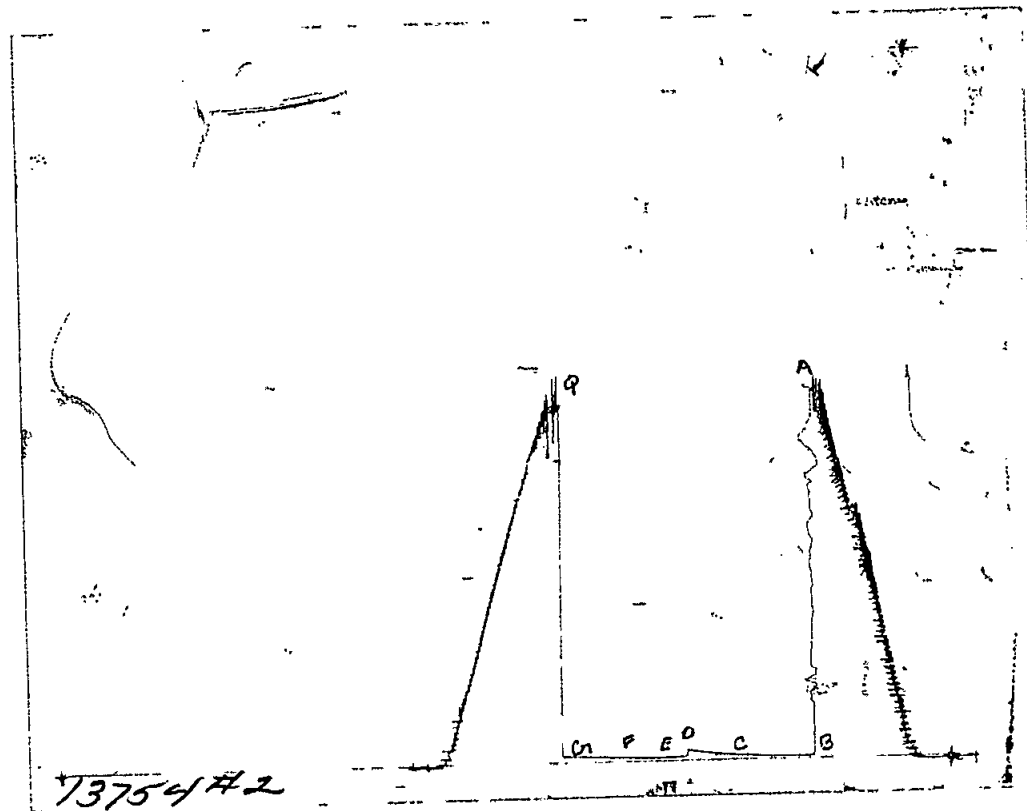
MUD DATA-----
 Mud Type Chemical
 Weight 8.90 lb/cf
 Vis. 55.00 S/L
 W.L. 11.20 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 108.00 F
 Hole Condition
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased
 Tester Dan Bangle
 Co. Rep. Bill Klaver
 Contr. Pickrell
 Rig # 10
 Unit #
 Pump T.

BLOW DESCRIPTION
 Initial Flow:
 Weak, died in 30 mins.
 Final Flow:
 No blow

SAMPLES:
 SENT TO:

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart